

**To:** Patulski, Meg[patulski.meg@epa.gov]; VanGessel, Benjamin[vangessel.benjamin@epa.gov]  
**From:** Berry, Laura  
**Sent:** Thur 12/22/2016 3:47:58 PM  
**Subject:** draft I-70 email for immediate review

## **Ex. 5 - Deliberative Process**

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Hello all,

## **Ex. 5 - Deliberative Process**

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To help us in our review of the analysis, we have the following requests for additional documentation:

## **Ex. 5 - Deliberative Process**

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3. EPA would like a guide to AERMOD input/output file names, specifically, which project alternatives go with which AERMOD file names.

## **Ex. 5 - Deliberative Process**

We appreciate your time in getting us this information as soon as possible, given we are within the 30 day comment period and several of us will be out of the office over the holidays.

Many thanks,

*Laura Berry*

(734) 214-4858

[berry.laura@epa.gov](mailto:berry.laura@epa.gov)

**From:** Dresser, Chris

**Sent:** Thursday, December 22, 2016 10:18 AM

**To:** Horn, Chris (FHWA) <Chris.Horn@dot.gov>

**Cc:** Vanessa Henderson - CDOT <vanessa.henderson@state.co.us>; Wallis, Carrie (Carrie.Wallis@atkinsglobal.com) <Carrie.Wallis@atkinsglobal.com>; Houk, Jeff (FHWA) <Jeff.Houk@dot.gov>; Claggett, Michael (FHWA) <Michael.Claggett@dot.gov>; Perritt, Karen (FHWA) <Karen.Perritt@dot.gov>; Berry, Laura <berry.laura@epa.gov>; Russ, Timothy <Russ.Tim@epa.gov>

**Subject:** RE: CO Moves files for EPA review

Chris,

The part of the analysis that appears to be missing is how the emission factors contained in the EMISFACT portion of the AERMOD input files were calculated for each scenario. I am trying to cross-walk between the MOVES files, which contain emission rates for each link, to the volume sources in the AERMOD input file. Can you provide a decoder describing which volume sources correspond to which MOVES links? Also, if no intermediate calculation tables were used, where were the g/s emission rates determined? It is important for us to understand every calculation step performed. And for a complex project like this, we are unable to connect the dots without the additional information requested.

Chris Dresser

U.S. EPA – Region 8

1595 Wynkoop Street

Denver, Colorado 80202-1129

Phone: (303) 312-6385

**From:** Horn, Chris (FHWA) [<mailto:Chris.Horn@dot.gov>]

**Sent:** Wednesday, December 21, 2016 3:06 PM

**To:** Dresser, Chris <[Dresser.Chris@epa.gov](mailto:Dresser.Chris@epa.gov)>

**Cc:** Vanessa Henderson - CDOT <[vanessa.henderson@state.co.us](mailto:vanessa.henderson@state.co.us)>; Wallis, Carrie ([Carrie.Wallis@atkinsglobal.com](mailto:Carrie.Wallis@atkinsglobal.com)) <[Carrie.Wallis@atkinsglobal.com](mailto:Carrie.Wallis@atkinsglobal.com)>; Houk, Jeff (FHWA) <[Jeff.Houk@dot.gov](mailto:Jeff.Houk@dot.gov)>; Claggett, Michael (FHWA) <[Michael.Claggett@dot.gov](mailto:Michael.Claggett@dot.gov)>; Perritt, Karen (FHWA) <[Karen.Perritt@dot.gov](mailto:Karen.Perritt@dot.gov)>; Berry, Laura <[berry.laura@epa.gov](mailto:berry.laura@epa.gov)>; Russ, Timothy <[Russ.Tim@epa.gov](mailto:Russ.Tim@epa.gov)>

**Subject:** RE: CO Moves files for EPA review

Chris,

**Referred to FHWA**

Chris Horn, PE

Senior Area Engineer

Colorado Division

Federal Highway Administration

720-963-3017

**From:** Dresser, Chris [<mailto:Dresser.Chris@epa.gov>]

**Sent:** Monday, December 19, 2016 8:30 AM

**To:** Horn, Chris (FHWA)

**Cc:** Vanessa Henderson - CDOT; Wallis, Carrie ([Carrie.Wallis@atkinsglobal.com](mailto:Carrie.Wallis@atkinsglobal.com)); Houk, Jeff (FHWA); Claggett, Michael (FHWA); Perritt, Karen (FHWA); Berry, Laura; Russ, Timothy  
**Subject:** RE: CO Moves files for EPA review

Chris and Mike,

Could you also provide the scripts and/or intermediate tables that calculate the volume source emission rates from the MOVES output? It is important for us to understand how the cross-walk between MOVES links and AERMOD sources was performed.

Thanks,

-Chris

Chris Dresser

U.S. EPA – Region 8

1595 Wynkoop Street

Denver, Colorado 80202-1129

Phone: (303) 312-6385

**From:** Horn, Chris (FHWA) [<mailto:Chris.Horn@dot.gov>]

**Sent:** Sunday, December 18, 2016 8:51 AM

**To:** Dresser, Chris <[Dresser.Chris@epa.gov](mailto:Dresser.Chris@epa.gov)>; Russ, Timothy <[Russ.Tim@epa.gov](mailto:Russ.Tim@epa.gov)>

**Cc:** Vanessa Henderson - CDOT <[vanessa.henderson@state.co.us](mailto:vanessa.henderson@state.co.us)>; Wallis, Carrie ([Carrie.Wallis@atkinsglobal.com](mailto:Carrie.Wallis@atkinsglobal.com)) <[Carrie.Wallis@atkinsglobal.com](mailto:Carrie.Wallis@atkinsglobal.com)>; Houk, Jeff (FHWA) <[Jeff.Houk@dot.gov](mailto:Jeff.Houk@dot.gov)>; Claggett, Michael (FHWA) <[Michael.Claggett@dot.gov](mailto:Michael.Claggett@dot.gov)>; Perritt, Karen (FHWA) <[Karen.Perritt@dot.gov](mailto:Karen.Perritt@dot.gov)>

**Subject:** RE: CO Moves files for EPA review

Tim and Chris,

# Referred to FHWA

Chris Horn, PE

Senior Area Engineer

Colorado Division

Federal Highway Administration

720-963-3017

**From:** Horn, Chris (FHWA)

**Sent:** Wednesday, November 23, 2016 8:41 AM

**To:** 'dresser.chris@epa.gov'; 'russ.tim@epa.gov'

**Cc:** 'Vanessa Henderson - CDOT'; Wallis, Carrie ([Carrie.Wallis@atkinsglobal.com](mailto:Carrie.Wallis@atkinsglobal.com)); Houk, Jeff (FHWA); Claggett, Michael (FHWA); Perritt, Karen (FHWA)

**Subject:** RE: CO Moves files for EPA review

Tim and Chris,

# Referred to FHWA

Chris Horn, PE

Senior Area Engineer

Colorado Division

Federal Highway Administration

720-963-3017

**From:** Horn, Chris (FHWA)  
**Sent:** Friday, November 18, 2016 10:47 AM  
**To:** 'dresser.chris@epa.gov'; 'russ.tim@epa.gov'  
**Cc:** 'Vanessa Henderson - CDOT'; Wallis, Carrie ([Carrie.Wallis@atkinsglobal.com](mailto:Carrie.Wallis@atkinsglobal.com)); Houk, Jeff (FHWA); Claggett, Michael (FHWA)  
**Subject:** CO Moves files for EPA review

Chris and Tim,

**Referred to FHWA**

Chris Horn, PE

Senior Area Engineer

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